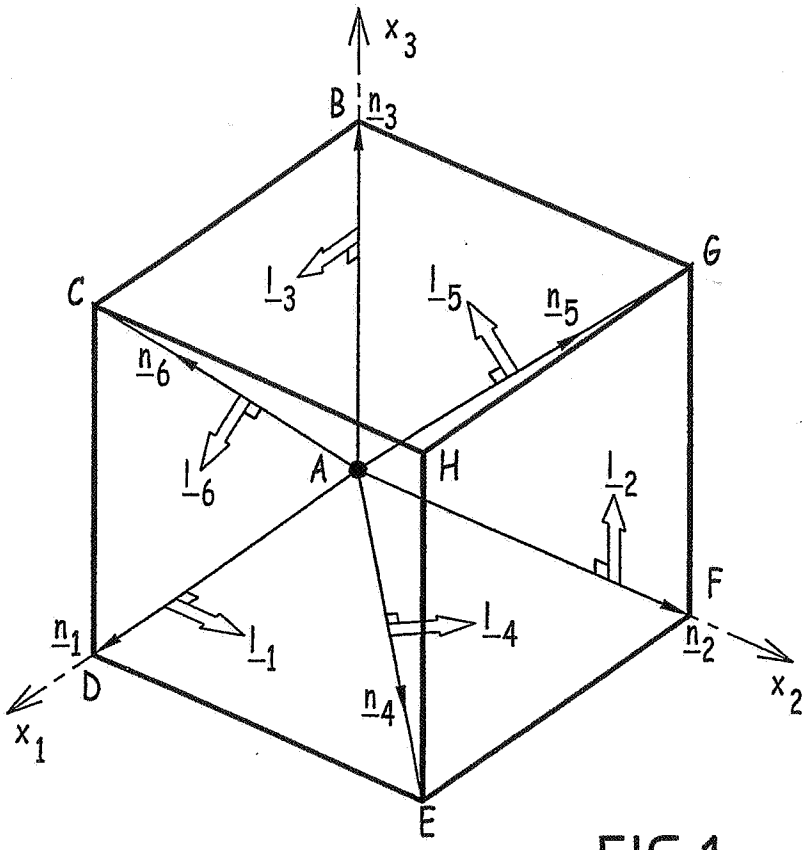
x3
B
n3
C
G
l3
l5
n5
n6
l6
A
H
l2
F
n1
l1
l4
n2
D
x1
x2
n4
E

FIG.1

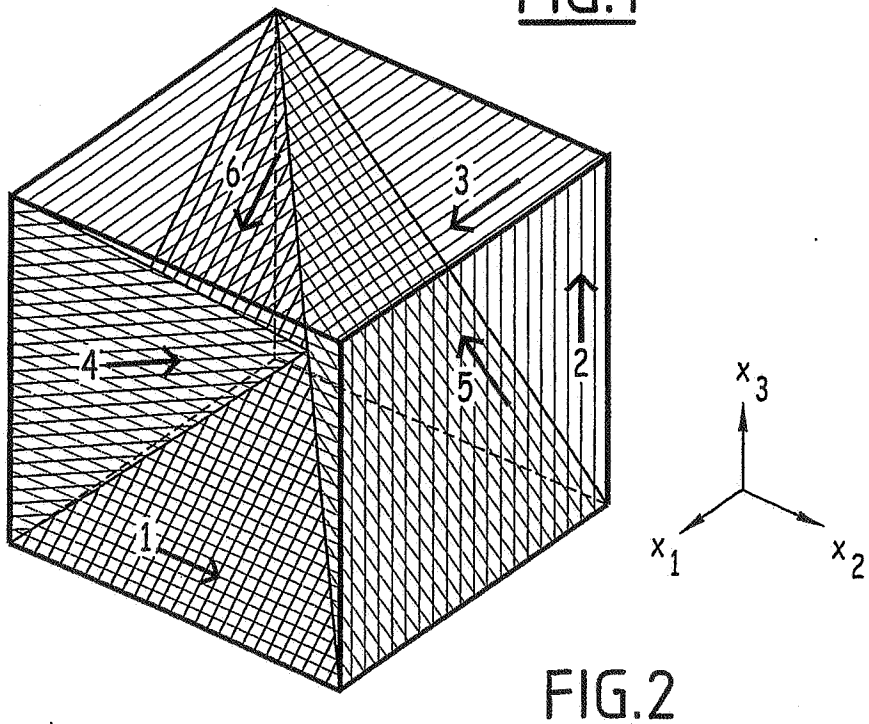
6
3
4
5
2
1
x3
x1
x2

FIG.2

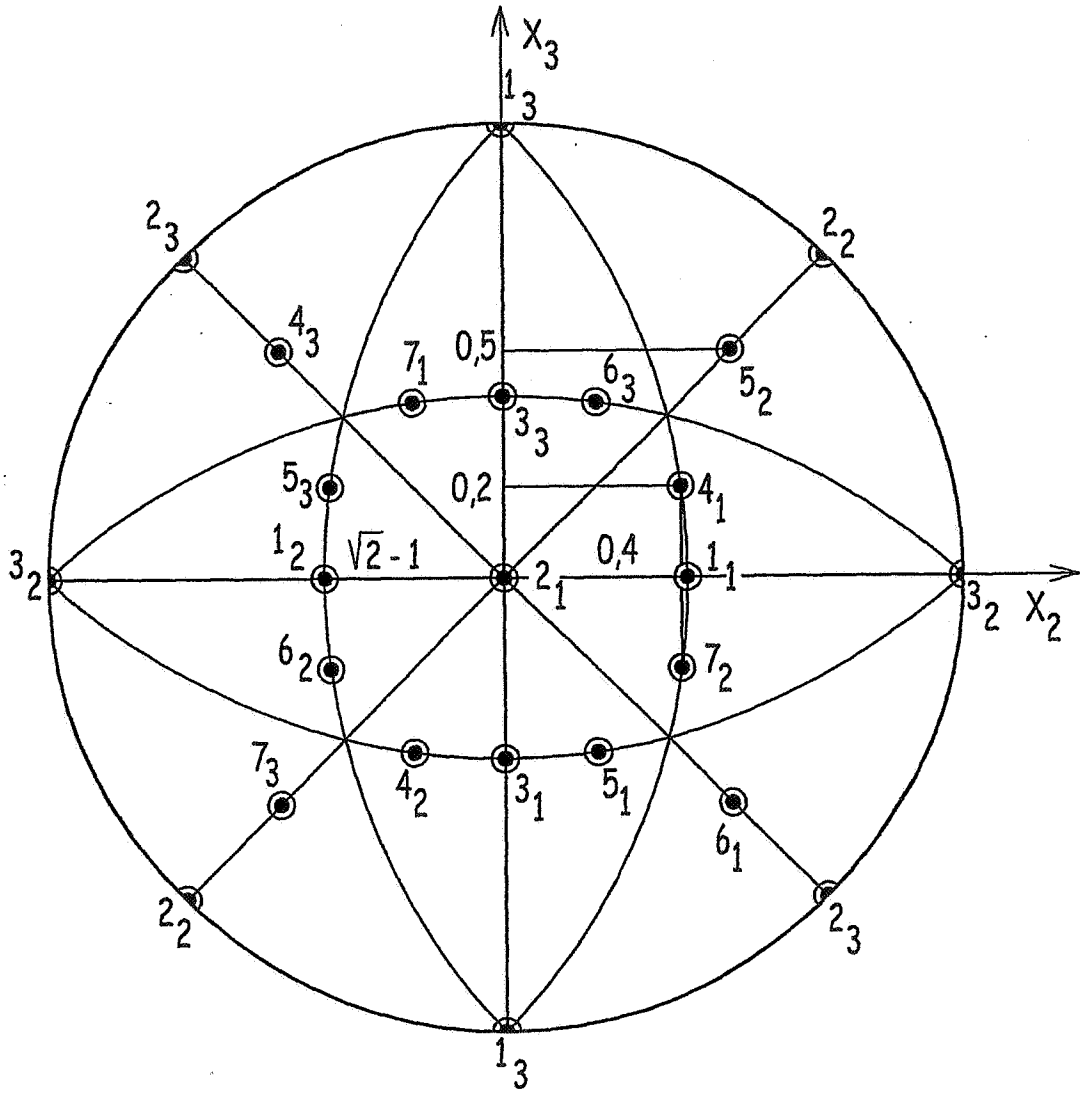
X3
1 3
2 3
2 2
4 3
7 1
0,5
6 3
5 2
3 3
5 3
0,2
4 1
1 2
√2 - 1
0,4
1 1
3 2
2 1
3 2
X2
6 2
7 2
7 3
4 2
3 1
5 1
6 1
2 2
2 3
1 3

FIG.3

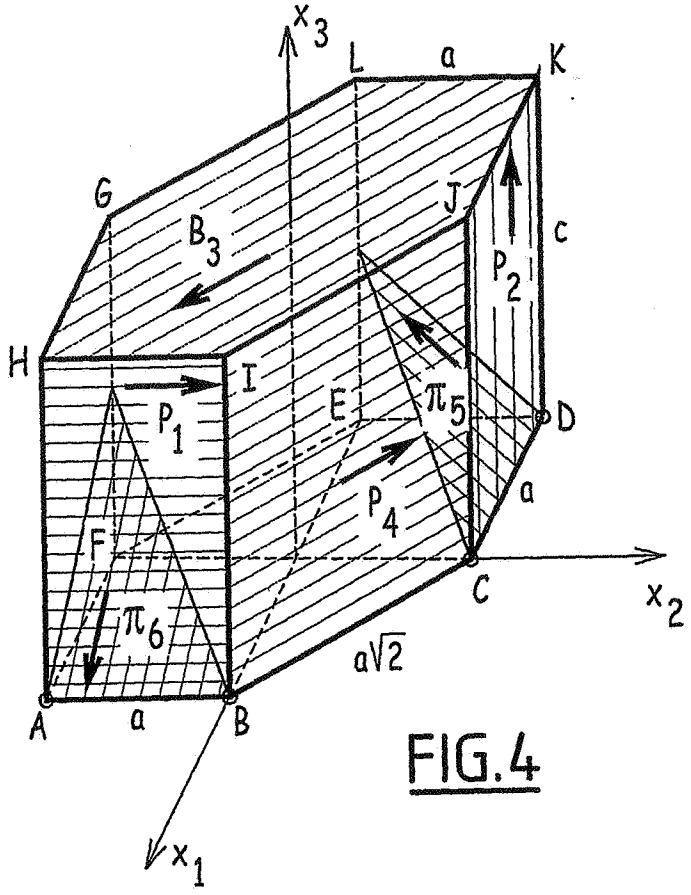

FIG.4

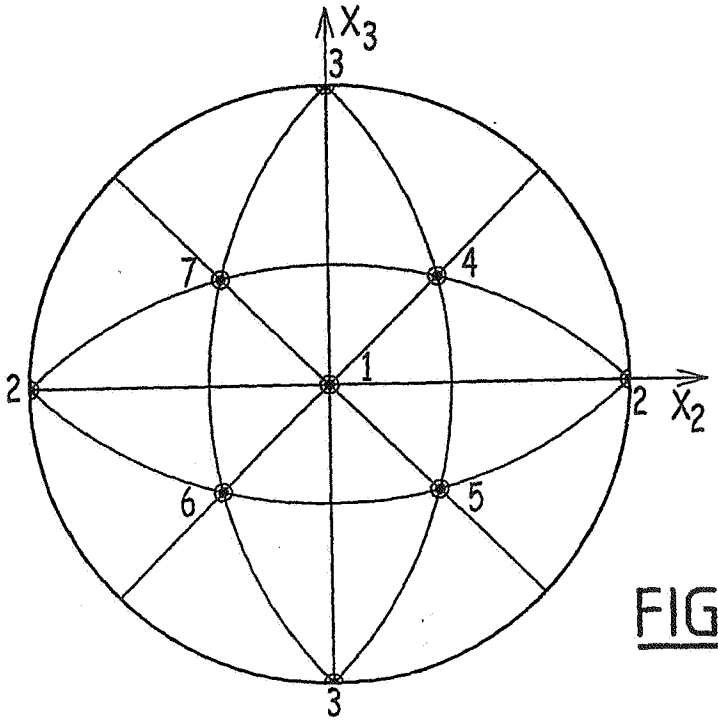

FIG.5

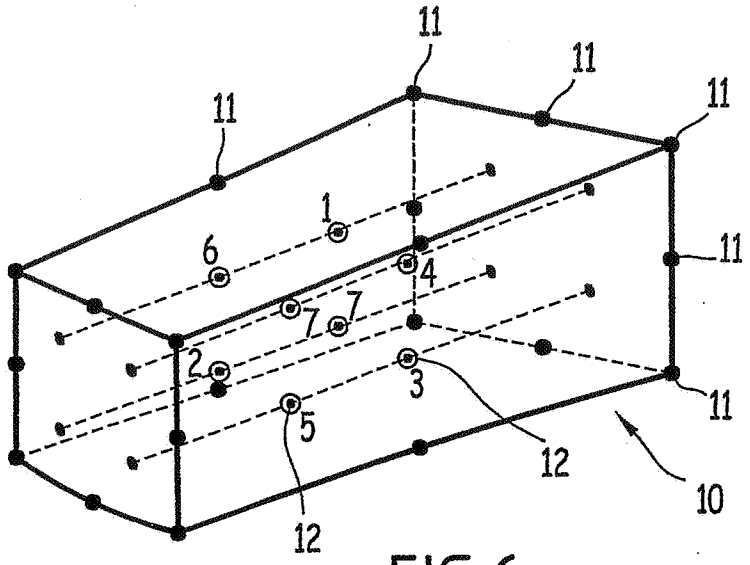

FIG.6

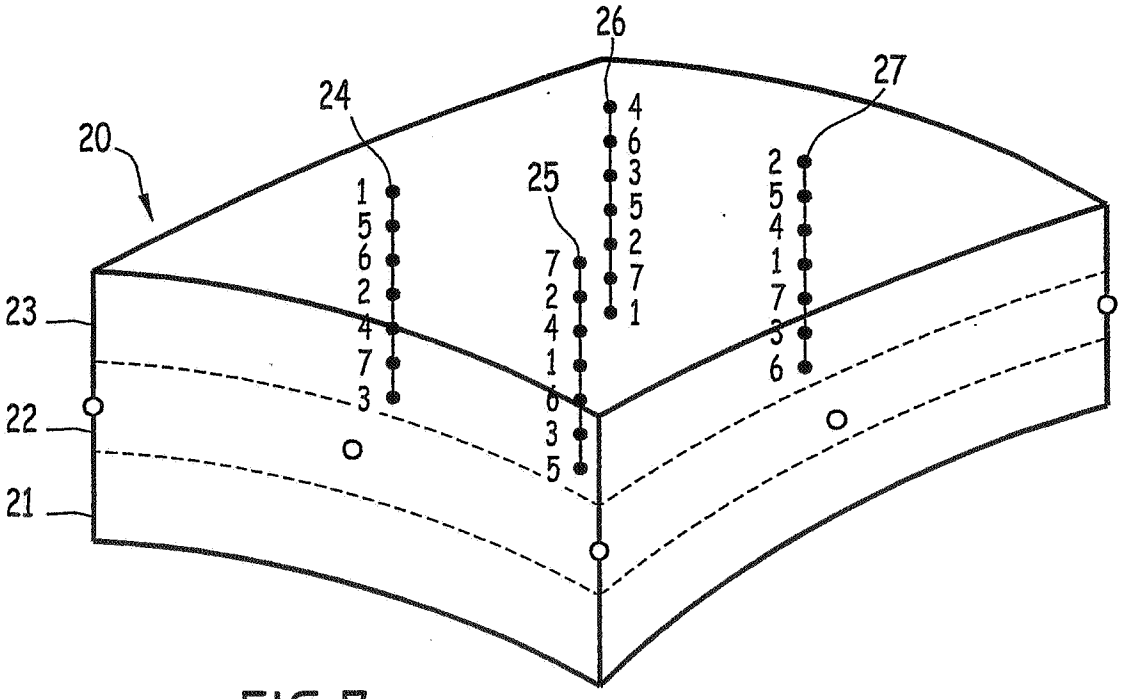

FIG.7

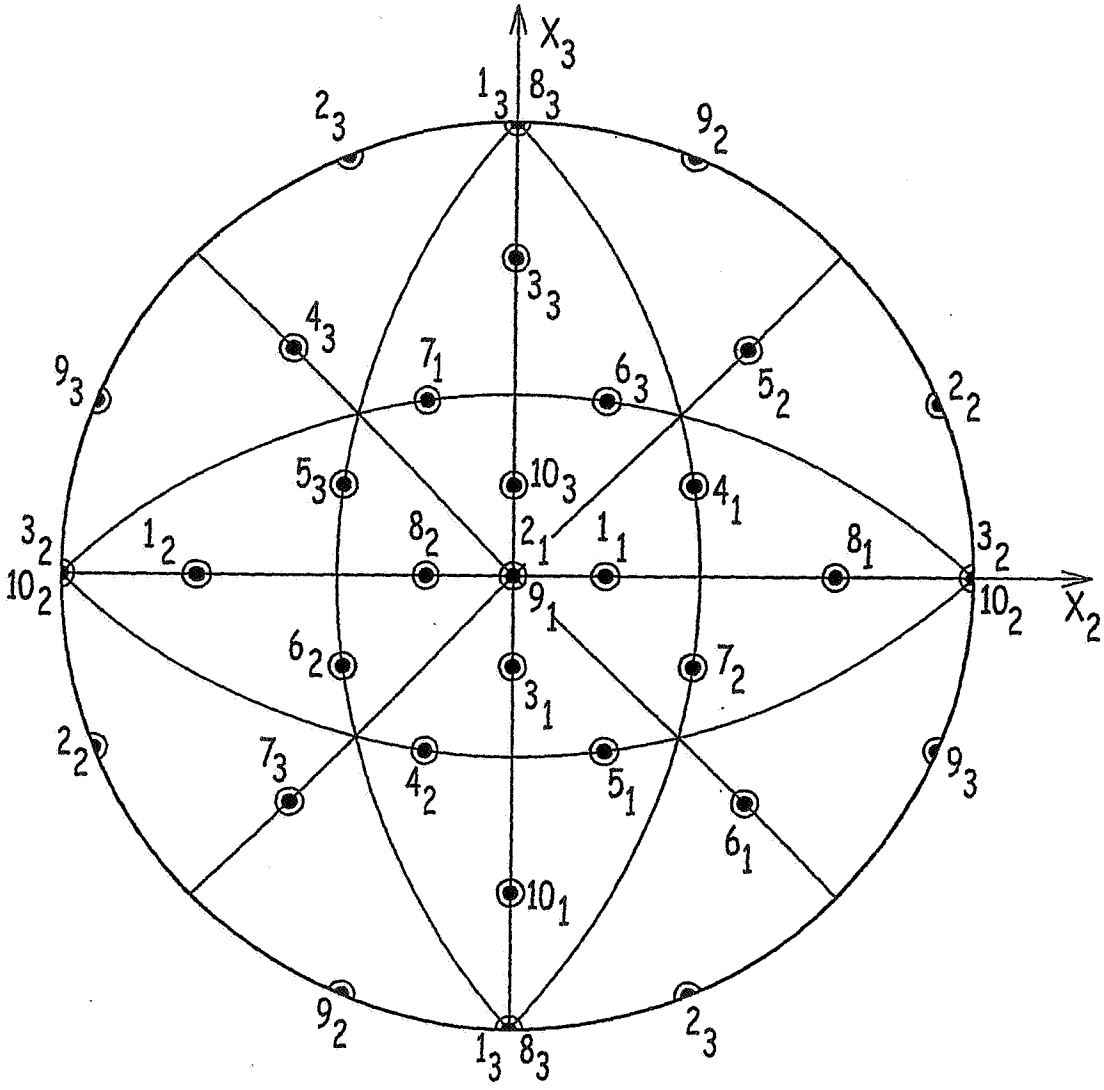
X3
X2
1 3
8 3
2 3
9 2
3 3
4 3
7 1
6 3
5 2
2 2
9 3
5 3
10 3
4 1
3 2
1 2
8 2
2 1
1 1
8 1
3 2
10 2
9 1
10 2
6 2
7 2
3 1
2 2
7 3
4 2
5 1
9 3
6 1
10 1
9 2
2 3
1 3
8 3

FIG.8

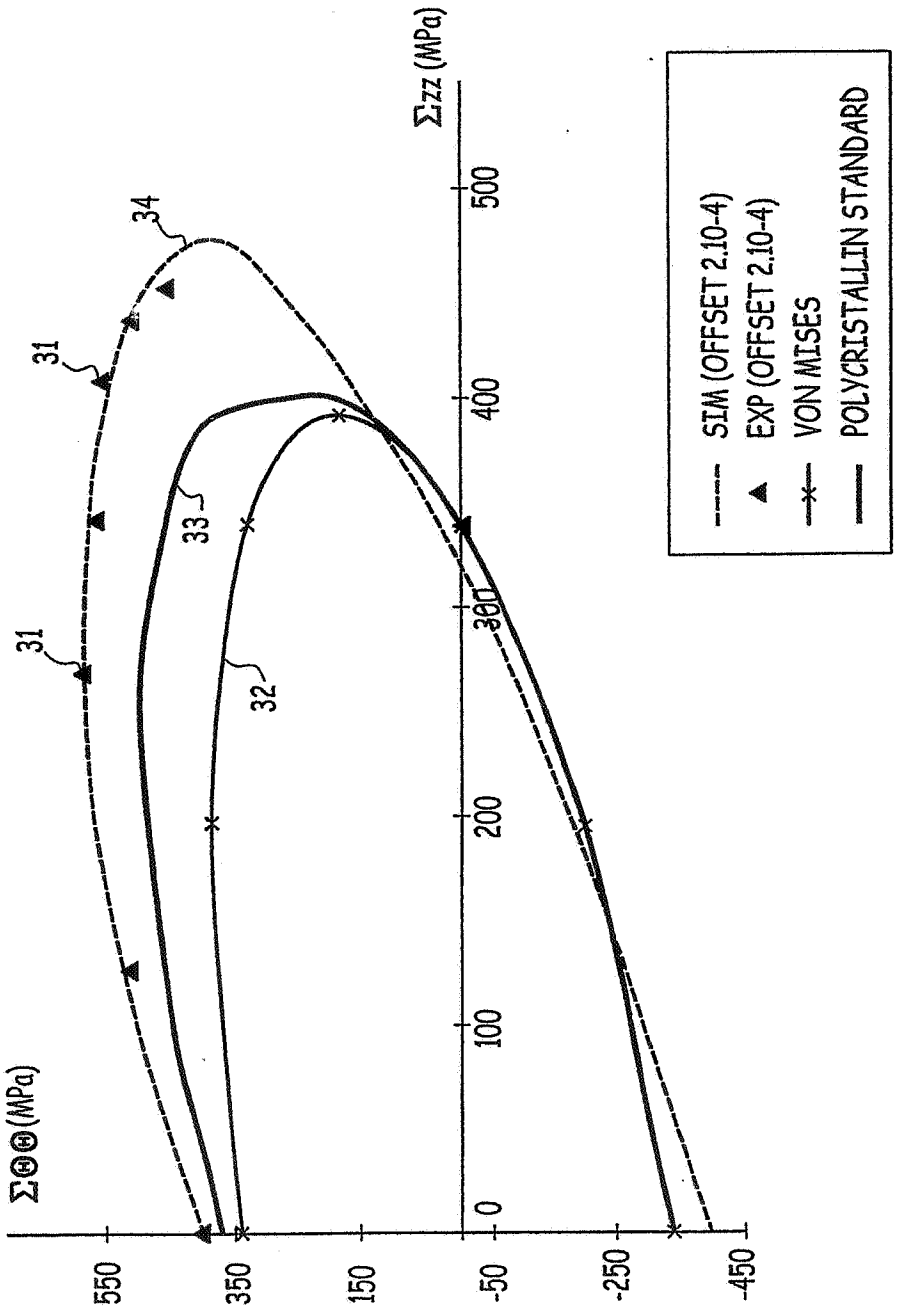
ΣΘΘ (MPa)
Σzz (MPa)
550
350
150
-50
-250
-450
0
100
200
300
400
500
31
31
32
33
34
SIM (OFFSET 2.10-4)
EXP (OFFSET 2.10-4)
VON MISES
POLYCRISTALLIN STANDARD

FIG.9